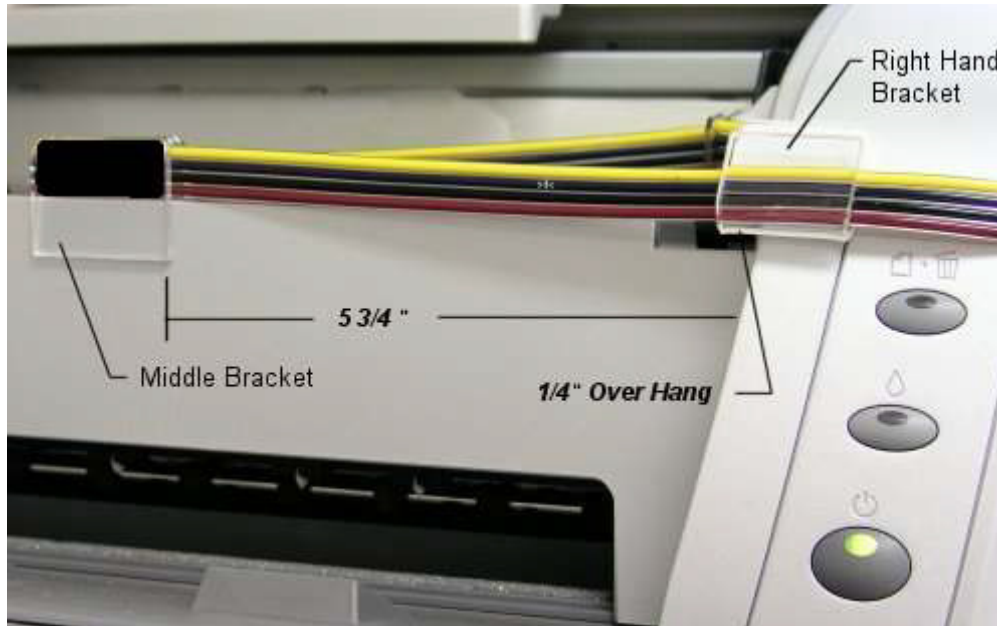


## Installation Instructions: Epson C82 CFS



### Prerequisite -

Before starting this installation, you **MUST** test your printer to make sure it is printing 100% correctly. If this is a new printer, follow the Epson procedures for installing and testing the cartridges. It must print properly with these cartridge before the CFS can be installed. The best way to do this is first print a Nozzle pattern, using the printer utility software provided by Epson. If the nozzle pattern is perfect, then print 5 copies of the MIS PURGE4.TIF image using the Plain Paper and 360 dpi settings on the printer. The Purge4 image can be found on the diskette included with your system or [download](#) it from our website. All 5 pages must print without banding or skipping (white spaces). If your printer can not do this, **do not** install the CFS. Run some cleaning cycles until you can pass this test.

### Tools & Materials Needed -

- MIS CFS System, Ink and a working Epson C82 printer
- Ruler or measuring tape
- Small amount of black electrical tape
- Pair of Scissors

- Alcohol and some paper towels
  - Some paper to print on
1. **Fill Carts if Needed** - If you purchased your system prefilled, then go to Step 2. If the cartridges are empty (no ink in tubes), then vacuum fill the cartridges with the ink that came with the system or the ink of your choice. Follow the instructions that came with the MIS Vacuum Pump. When this is complete, go to Step 2.
  2. **Free Carriage** - On the printer, push the **Ink button** (this is the one that has ink drop icon on it) to move the cartridges to the **Replace** position. While in this position, **pull the power plug out of the wall.**
  3. Remove the Epson cartridges and **PARTIALLY** install the CFS cartridges. Do not push the cartridges all the way down. We do not want the seals on the bottom to be punctured until the tubes have been installed in the bottles.
  4. Install the Middle Bracket and Right Bracket as shown in the above photo,  $5 \frac{3}{4}$  inches from the right inside edge of the housing. Position the tubes so the black tape on the tubes is centered in the Middle Bracket. Apply a 3" piece of black electrical tape on the inside of the printer to secure the Middle Bracket.
  5. Clean and dry the printer housing with alcohol and place the Right Hand Bracket so it has 1/4" of overhang as shown. This is to keep the printer cover from pinching or touching the ink tubes. Lubricate tubes with alcohol and slide them into the Right Hand Bracket. Once the tubes are securely inserted into the Right Hand Bracket, unweb the tubes from the right edge of the bracket to the end so that each tube can be independently installed into its bottle. The tubes are easily un-webbed by just pulling them apart, no tools are required. Don't go too far.
  6. If your system was prefilled, cut the tubes just above the light blue pinch clips. You will lose about 1/2" of tubing, this is OK. If you ordered an empty system you will not have any pinch clips to cut off. Cut the end of the tubes on a 45 degree angle so they are pointed. Don't waste any tube length in doing this.

Arrange the bottles in the bottle tray so that yellow is back left, cyan is back right, black is front right and magenta is front left. Install a Drilled Cap on each bottle. Now insert the tube into the bottle so the tube reaches the bottom of the bottle. There should be 3 1/2 to 3 3/4 inch of tubing inside the bottle when you are finished. Don't put the wrong color tube into the wrong ink bottle. Tubes and bottles are marked. Tubes either have color tags on them or there are traces of ink in the prefilled tubes.

7. Push the cartridges down all the way until they click. Make sure they are properly aligned and down all the way. Push the cartridges all the way to the right, all the way.
8. Plug the printer back in and turn on the power. Run a few cleaning cycles until you have a perfect nozzle pattern. The printer is now ready to use. If you have problems getting a perfect nozzle pattern, let the printer rest overnight, and try again in the morning.
9. If an ink does not print. Remove the tube from the bottle, lift the cartridge out, and suck 3 cc of ink out of the bottom of the cartridge using the bottom fill adapter and syringe. Then reinstall. If you have all colors printing but you are having problems getting a perfect nozzle pattern after several cleaning cycles, then let the printer rest overnight and try a few cleaning cycles in the morning.

### **The Care and Feeding of a CFS -**

There are a couple of things you should know that will keep your system running trouble free.

These systems work best if they are used everyday. If you are an infrequent printer or only print once or twice a week, then you should install our AUTOPRINT program.

Autoprint will make a printout using our Purge6 image everyday as long as you leave your computer and printer turned on. As an alternative, if you are going to be away for a few days, buy an automatic timer and install it on your printer power line.

Set it to turn on the printer once per day. When the printer first comes on, it will do a cleaning cycle. This is equivalent to making a Purge6 print. With the timer installed you will not have to leave your computer on. Most hardware stores carry these timers, they are not expensive.

If you have to do cleaning cycles, do them in groups of 3. Print a copy of Purge4 or Purge6 after 3 cleaning cycles. This resets the printer firmware so that you get a short, long, and medium duration cleaning cycle. If you don't do this, all you will get is the short cleaning cycle after the 3rd one. Running several short cleaning cycles will cause nozzles to drop out. If you are still having problems after about 4 or 5 sets of 3 cleanings, then let the printer rest for a few hours or overnight and try again later. This has worked on many Epson printers in the past. It gives the air bubbles in the ink a chance to rise to the surface and get out of the printhead.

Don't let your ink bottles get empty. Refill them when they are at the 1/4 full level.

Before pouring new ink into your bottle, transfer the ink that is left into a clean glass or jar. Then wash out the CFS ink bottle with soap and water. Then refill with leftover ink and new ink. This keeps algae from building up on the walls of the bottle and causing premature ink failure.

For additional technical assistance please read our *CFS Troubleshooting Guide*.